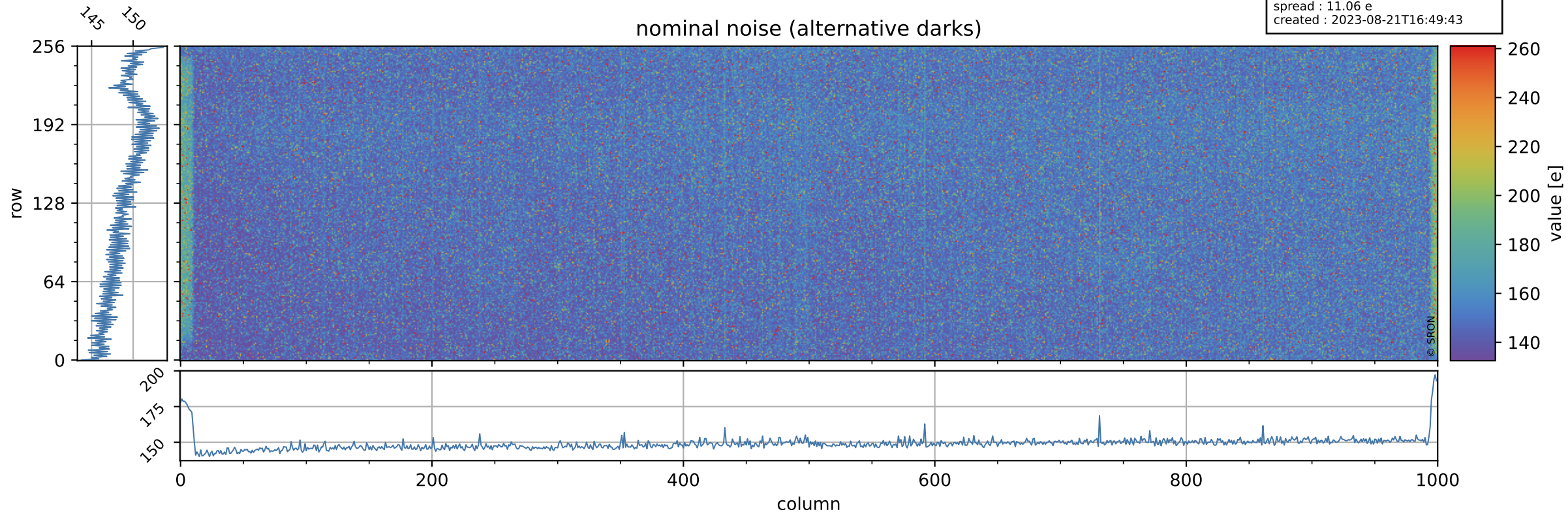


# Tropomi SWIR background noise (swir)

orbits : 12 in [26482, 26557]  
coverage : 2022-11-22 / 2022-11-27  
n\_coad, t\_exp : 1, 1.0783  
median : 148.85 e  
spread : 11.06 e  
created : 2023-08-21T16:49:43

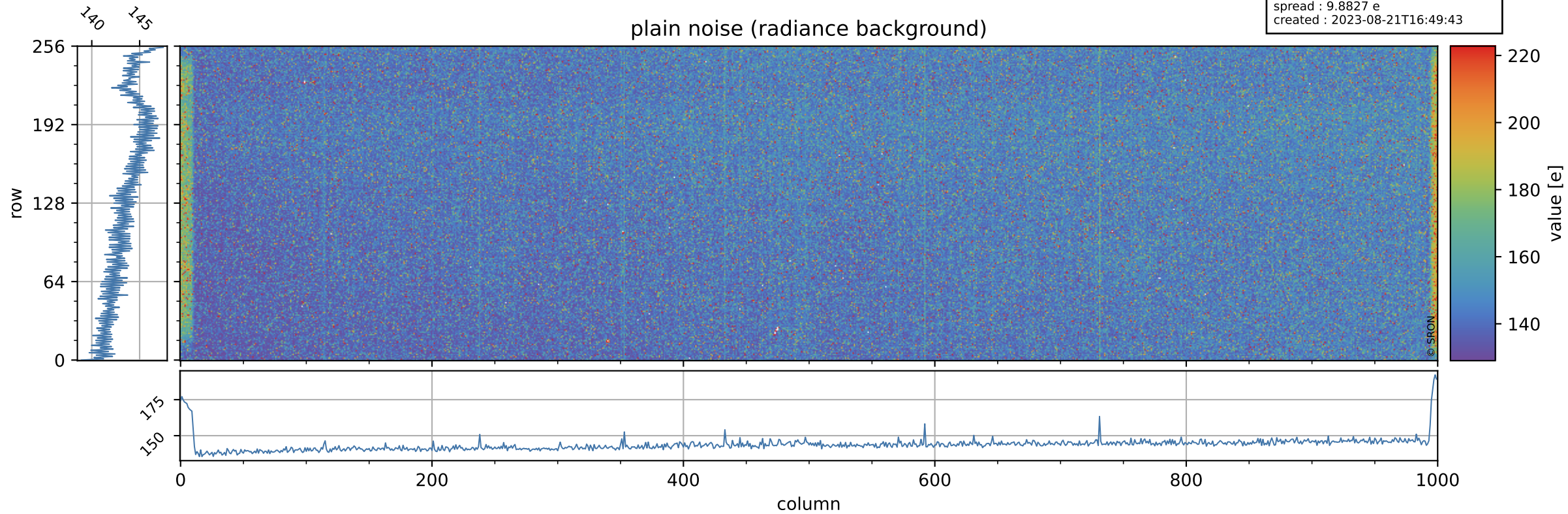
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [26482, 26557]  
coverage : 2022-11-22 / 2022-11-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.53 e  
spread : 9.8827 e  
created : 2023-08-21T16:49:43

## plain noise (radiance background)

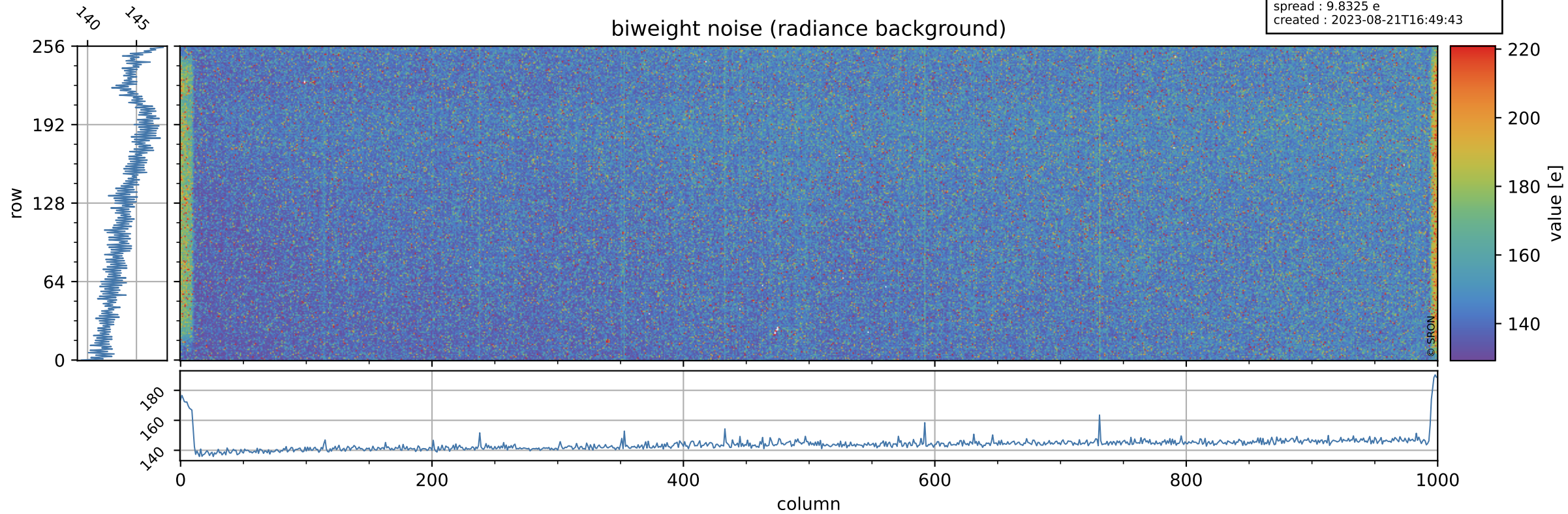




# Tropomi SWIR background noise (swir)

orbits : 12 in [26482, 26557]  
coverage : 2022-11-22 / 2022-11-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.86 e  
spread : 9.8325 e  
created : 2023-08-21T16:49:43

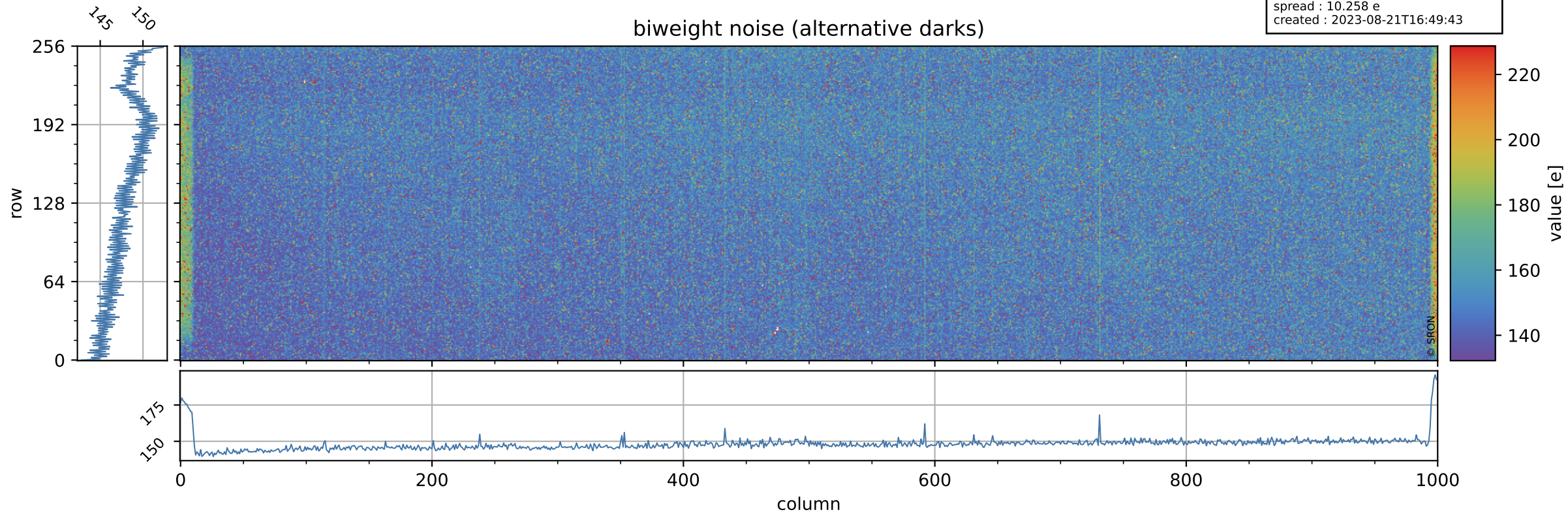
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [26482, 26557]  
coverage : 2022-11-22 / 2022-11-27  
n\_coad, t\_exp : 1, 1.0783  
median : 147.86 e  
spread : 10.258 e  
created : 2023-08-21T16:49:43

## biweight noise (alternative darks)

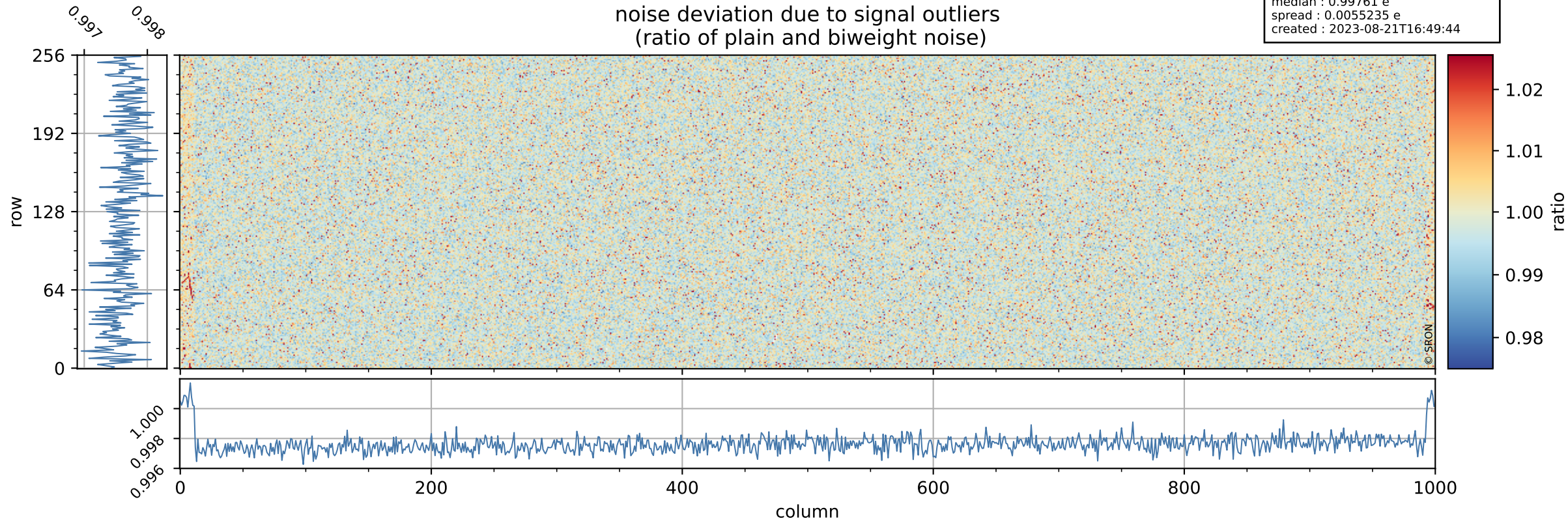




# Tropomi SWIR background noise (swir)

noise deviation due to signal outliers  
(ratio of plain and biweight noise)

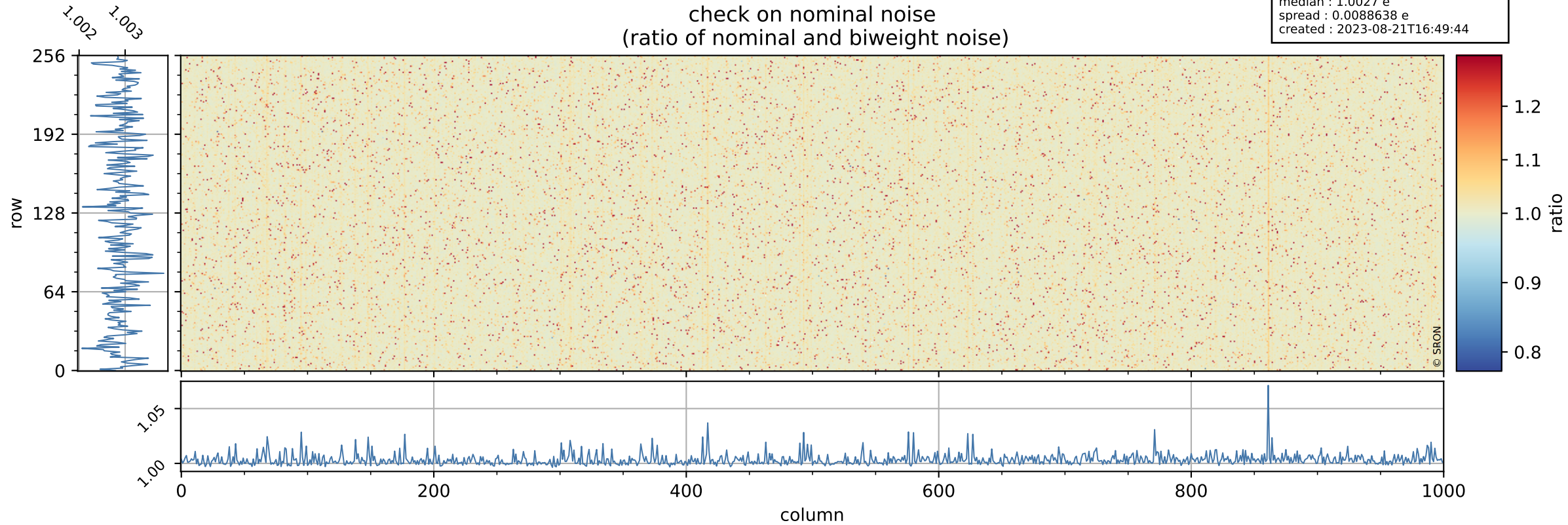
orbits : 12 in [26482, 26557]  
coverage : 2022-11-22 / 2022-11-27  
median : 0.99761 e  
spread : 0.0055235 e  
created : 2023-08-21T16:49:44



# Tropomi SWIR background noise (swir)

check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [26482, 26557]  
coverage : 2022-11-22 / 2022-11-27  
median : 1.0027 e  
spread : 0.0088638 e  
created : 2023-08-21T16:49:44

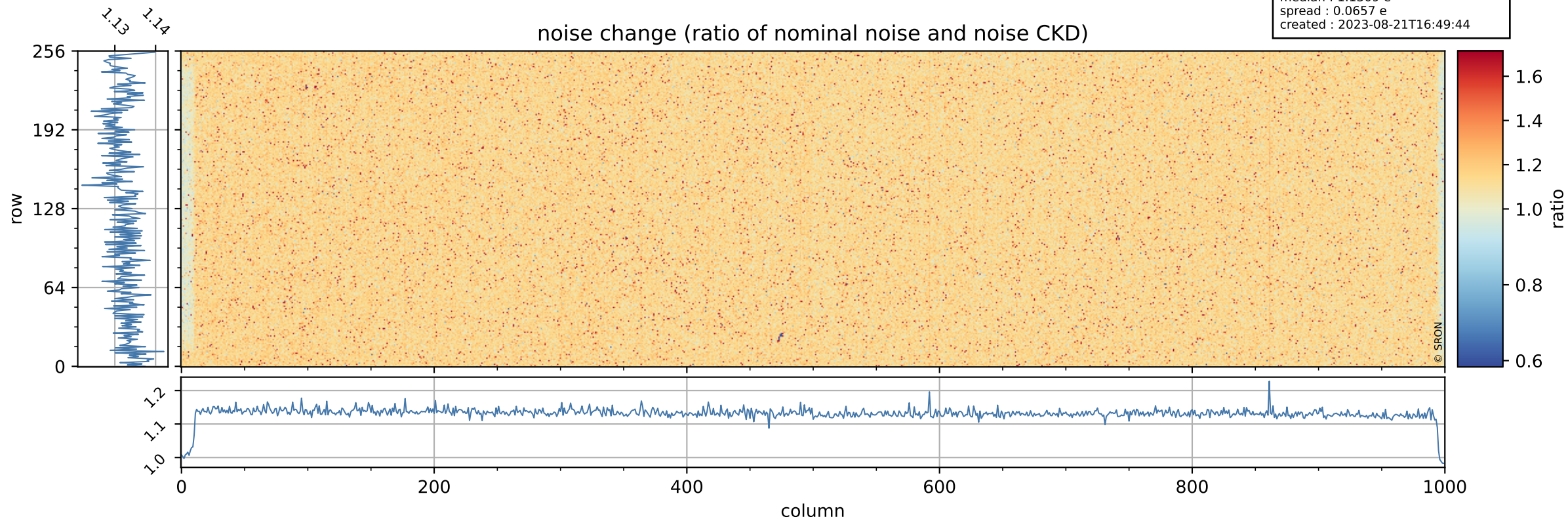




# Tropomi SWIR background noise (swir)

orbits : 12 in [26482, 26557]  
coverage : 2022-11-22 / 2022-11-27  
median : 1.1309 e  
spread : 0.0657 e  
created : 2023-08-21T16:49:44

noise change (ratio of nominal noise and noise CKD)

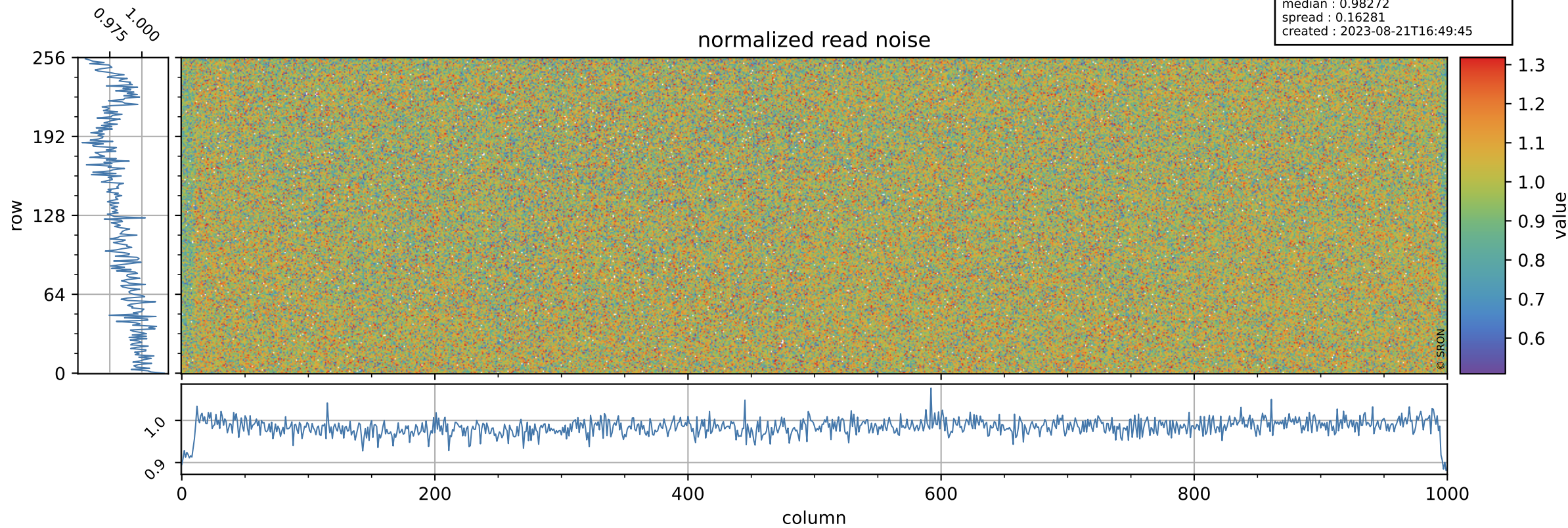




# Tropomi SWIR background noise (swir)

orbits : 12 in [26482, 26557]  
coverage : 2022-11-22 / 2022-11-27  
median : 0.98272  
spread : 0.16281  
created : 2023-08-21T16:49:45

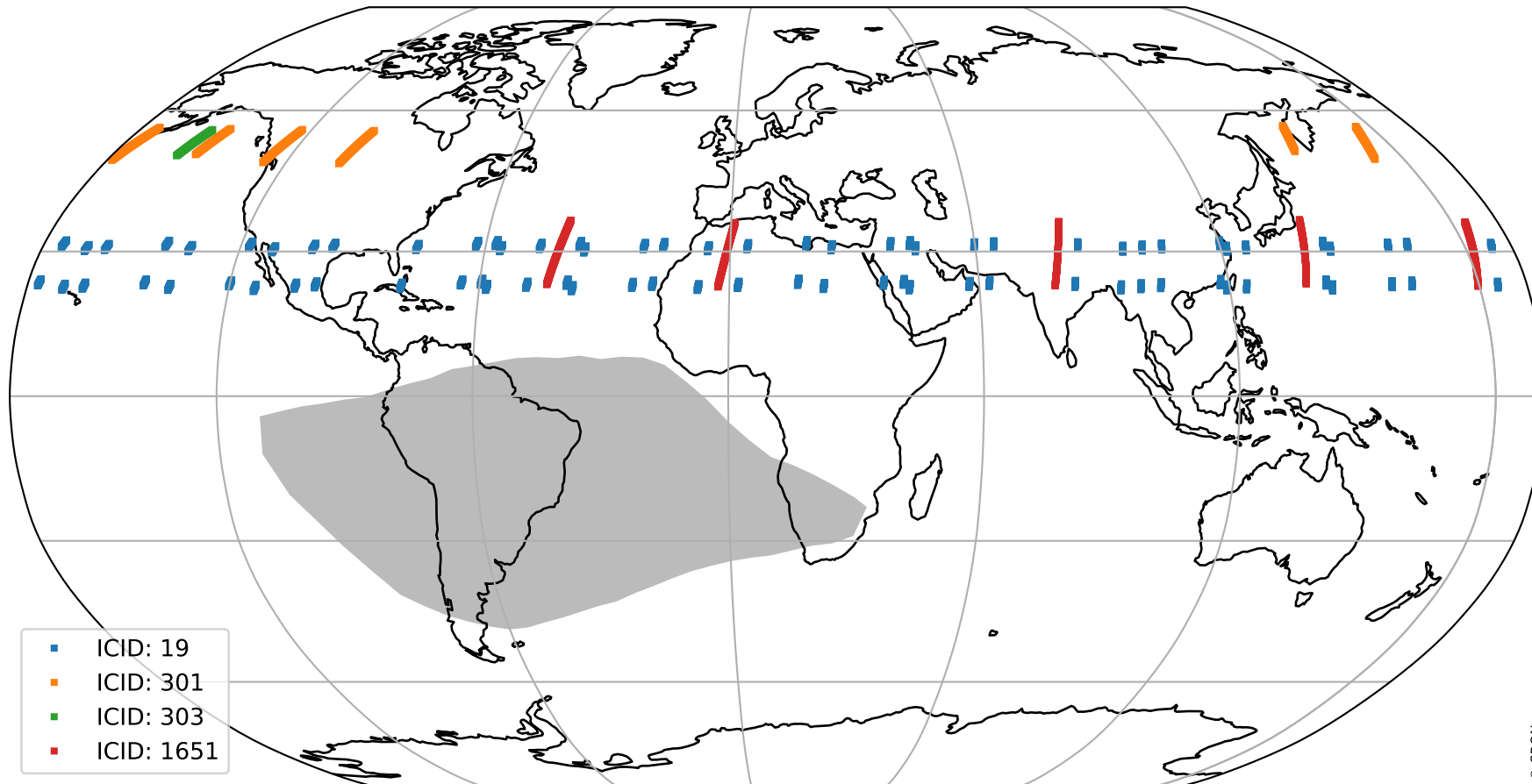
normalized read noise





# Tropomi SWIR background noise (swir) ground-tracks of Sentinel-5P

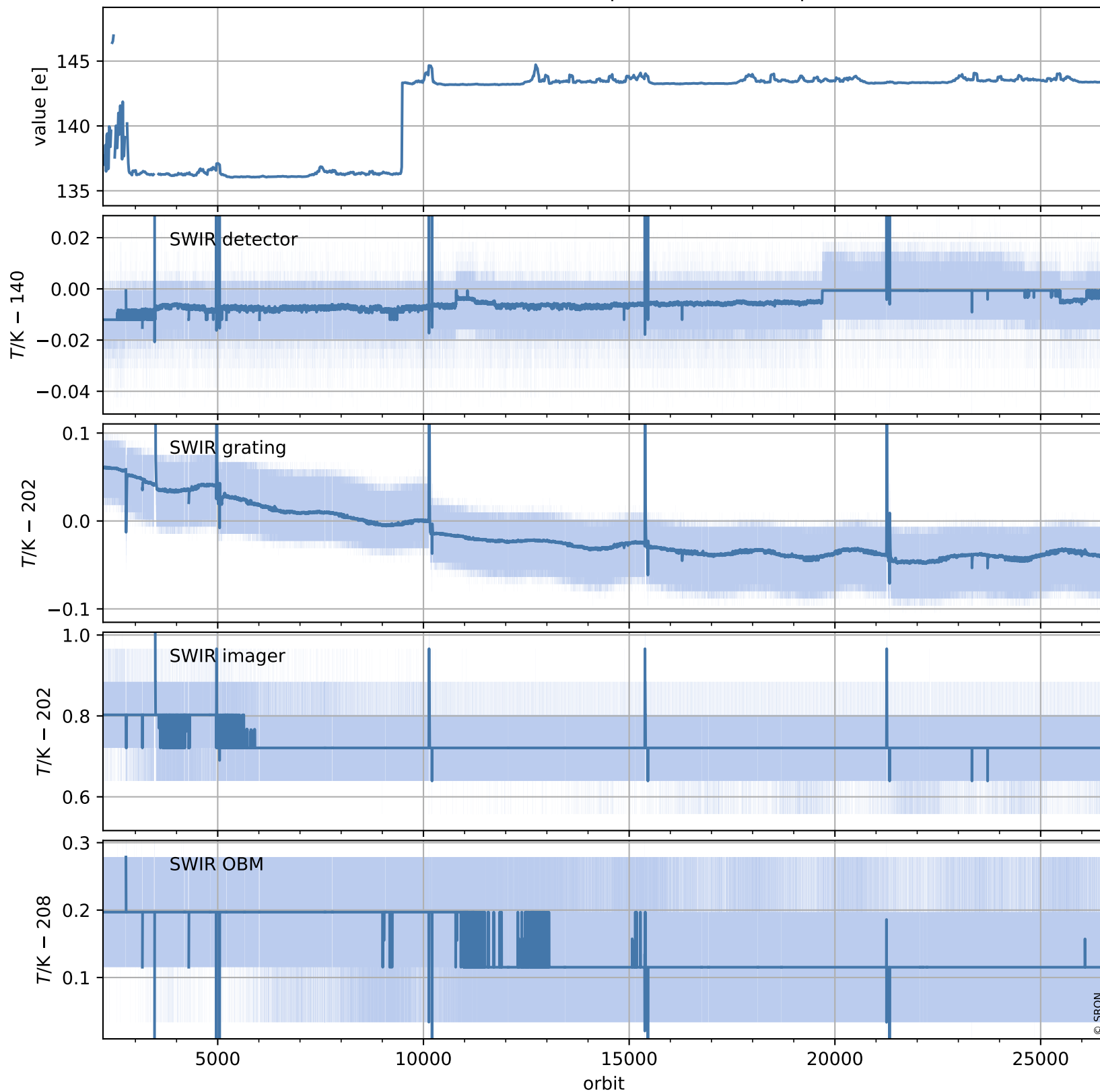
orbits : 12 in [26482, 26557]  
coverage : 2022-11-22 / 2022-11-27  
created : 2023-08-21T16:49:45



# Tropomi SWIR background noise (swir)

orbits : [2212, 26557]  
coverage : 2018-03-18 / 2022-11-27  
created : 2023-08-21T16:49:45

## trend of detector median of plain noise & temperatures

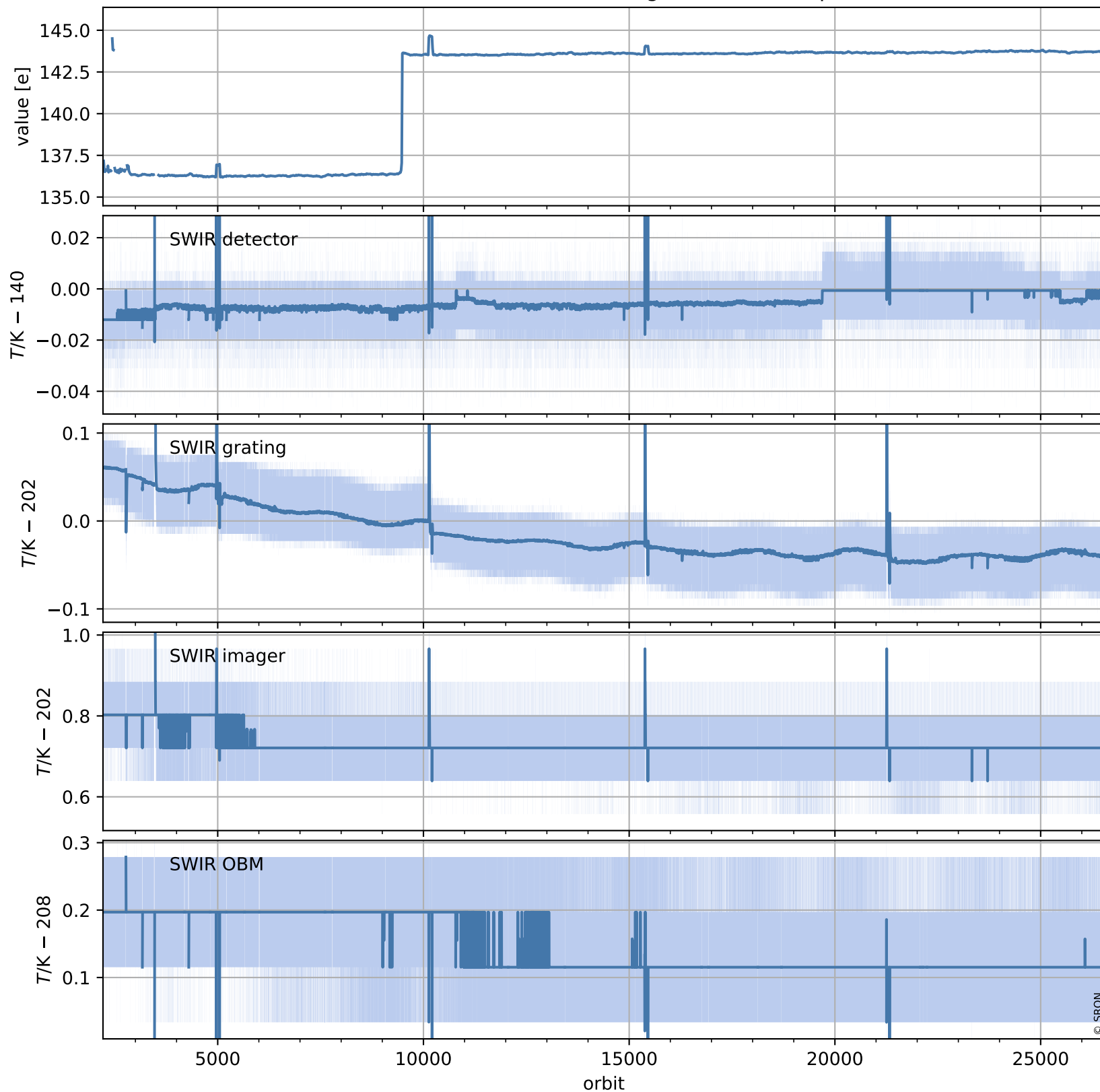




# Tropomi SWIR background noise (swir)

orbits : [2212, 26557]  
coverage : 2018-03-18 / 2022-11-27  
created : 2023-08-21T16:49:46

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 26557]  
coverage : 2018-03-18 / 2022-11-27  
created : 2023-08-21T16:49:47

## trend of normalized read-noise & temperatures

